

**CORRECTED VERSION OF THE AMENDED CLAIMS**

**IN THE CLAIMS:**

1. (Twice Amended) A process for selective adsorption of biomass derived phenols selected from the group consisting of guaiacol, syringol, isolugenol, vanillin, and lignin from a biomass hydrolysate medium comprising:

- B1*
- (a) contacting a mixture comprising the biomass hydrolysate medium and a metal oxide;
  - (b) forming a phenols compound metal oxide complex;
  - (c) removing the phenols metal oxide complex from the mixture; said metal oxide is selected from the group consisting of titanium oxide, vanadium oxide, zirconium oxide manganese dioxide, aluminum oxide and silicon dioxide.

*B2*

5. (Amended) The process of claim 1 wherein after step (a), the mixture is adjusted to a pH in the range of 1.5-11.